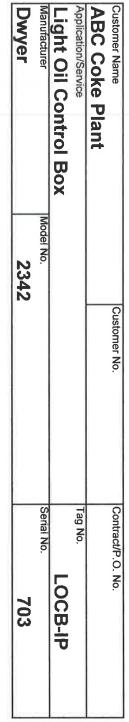
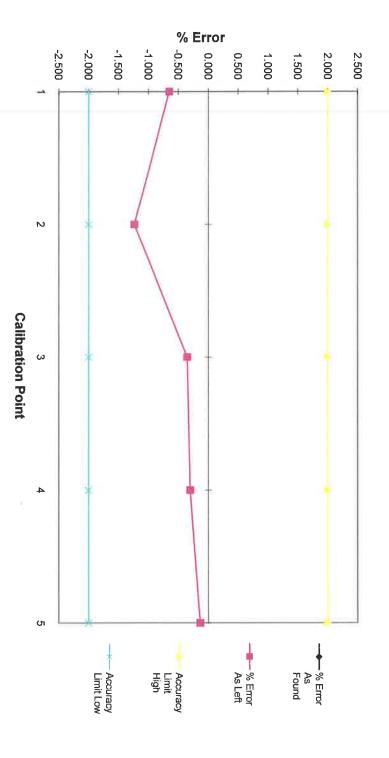


Customer Name	-				Contraction No.	
ABC Coke					Tag No.	
Application/Service						
Light Oil Cor	itroi Box	Model No.			LOCB-IP Serial No.	
Dwyer		2342			703	
Instrument	Х	2012				
Туре	Transmitter	Indicator	Controller	Recorder	Gauge	Thermometer
. , , , ,		Plus	Minus	☑ % of Span		
Accuracy		2.0	2.0	☐% of Reading	3	
,			nal Range	and Units		
Lo Range Value	Hi Range Value			Characteristic	Special	
4	20	MA	DC	Linear		
		Output Sig	nal Range	and Units		
Lo Range Value	Hi Range Value			Characteristic	Special	
3	15	PS	SIG	Linear		
		nstrument	Condition	n as Found		
			Actual	0/ 5 4	A - 4 1 O - 4 4	
Calibration Point	Actual Input	Expected Output	Output as Found	% Error As Found	Actual Output as Left	% Error As Left
		3	2.922	-0.650	2.922	-0.650
0%	4					
25%	8	6	5.852	-1.233	5.852	-1.233
50%	12	9	8.958	-0.350	8.958	-0.350
75%	16	12	11.964	-0.300	11.964	-0.300
100%	20	15	14.984	-0.133	14.984	-0.133
			Comment	5		
					-	
		0 111 11				
	1	Calibratio	on Equipm	nent Used		
Calibrator	Desc	ription	Mo	odel No.	Instrument ID	NIST Cert. No.
Input Device	Fluke Calib	orator	725		On File	On File
Output Device	Fluke Calib	orator	725		On File	On File
			Approvals	3		
Hours	Date Work Perfo		Accepted By		Date Signed	
1.0	11/24	/2008				
PASS 3 Signature	and ar		Customer Signa	iture		
JOHN HO	JKTON					



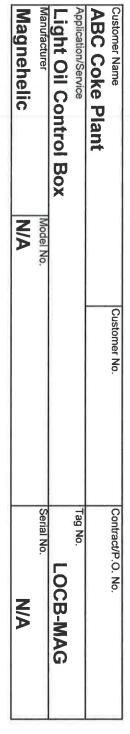


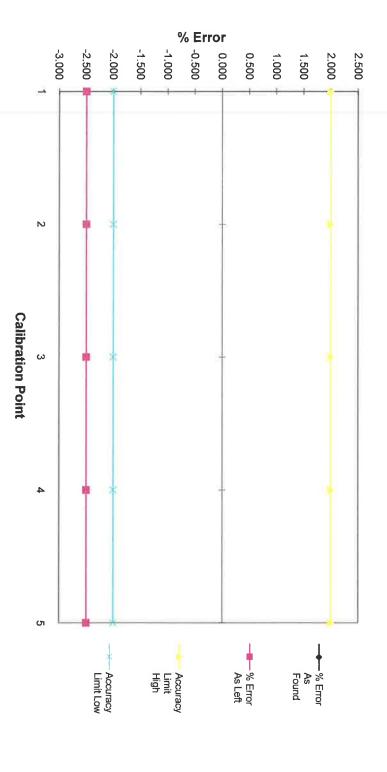


PASS 3 Calibration Certification

Customer Name	Dlant				Contract/P.O. No.	
ABC Coke					Tag No.	
Light Oil Cor					LOCB-MAG	
Manufactuer		Model No.			Serial No.	
Magnehelic		N/A			N/A	
Instrument		Х				
Туре	Transmitter	Indicator	Controller	Recorder	Gauge	Thermometer
		Plus	Minus	☑ % of Span		
Accuracy		2.0	2.0	☐% of Reading	9	
		Input Sigr	nal Range	and Units		
Lo Range Value	Hi Range Value	Units		Characteristic	Special	
10	50	INF	120	Linear		
			nal Range	e and Units		
Lo Range Value	Hi Range Value			Characteristic	Special	
10	50		120	Linear		
		nstrument		n as Found		
Calibration		Eymontod	Actual	0/ 5 0-	A atrial Outside	
Point	Actual Input	Expected Output	Output as Found	% Error As Found	Actual Output as Left	% Error As Left
0%	10	10	9	-2.500	9	-2.500
25%	20	20	19	-2.500	19	-2.500
50%	30	30	29	-2.500	29	-2.500
75%	40	40	39	-2.500	39	-2.500
100%	50	50	49	-2.500	49	-2.500
		(	Comments	S		
				NV-X		
		Calibratio	n Equipm	ent Used		
Colibrator	Dece	rintian	p.a.	adal No	Instrument ID	NICT Cad Na
Calibrator		ription		odel No.		NIST Cert. No.
Input Device	Fluke Calib	rator	725		On File	On File
Output Device	Local					
Hours	Data Wark Darf		Approvals	5	Data Signad	
Hours 1.0	Date Work Perfo	/2008	Accepted By		Date Signed	
PASS 3 Signature	11/24	12000	Customer Signa	ture		
JOHN HO	ORTON					
5 55 55 7 520	~~~~					



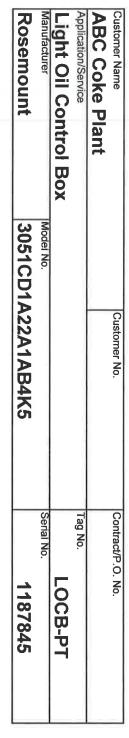


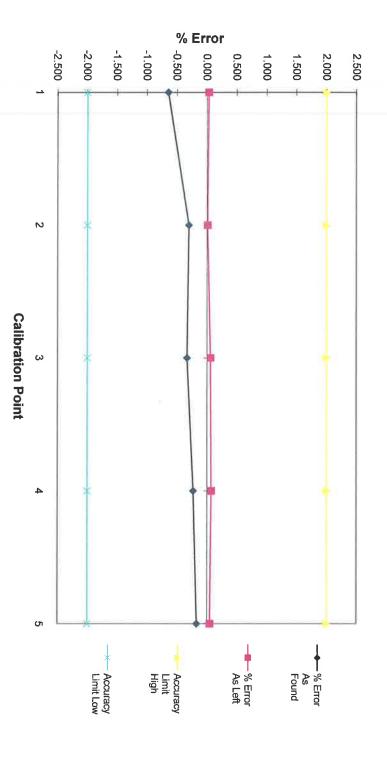




Customer Name	Dlant				Contract/P.O. No.	
ABC Coke Application/Service					Tag No.	
Light Oil Cor					LOCB-PT	
Manufactuer	IIIOI DOX	Model No.			Serial No.	
Rosemount		3051CD1A	22A1AB4K	5	1187845	
Instrument	Х					
Туре	Transmitter	Indicator	Controller	Recorder	Gauge	Thermometer
		Plus	Minus	☑ % of Span		
Accuracy		2.0	2.0	☐% of Reading	3	
•		Input Sigr	nal Range	and Units		
Lo Range Value	Hi Range Value			Characteristic	Special	
-2	14	INF	120	Linear		
		<b>Dutput Sig</b>	nal Range	and Units		
Lo Range Value	Hi Range Value	Units		Characteristic	Special	
4	20	MA	DC	Linear		
		nstrument		n as Found		
Onlik untin u		Cump a stand	Actual	0/ ==== 0	A street Outsut	
Calibration Point	Actual Input	Expected Output	Output as Found	% Error As Found	Actual Output as Left	% Error As Left
0%	-2	4	3.897	-0.644	4.005	0.031
25%	2	8	7.952	-0.300	8.002	0.013
50%	6	12	11.947	-0.331	12.010	0.062
75%	10	16	15.964	-0.225	16.012	0.075
100%	14	20	19.973	-0.169	20.008	0.050
10070			Comments		20.000	0.000
		Calibratio	n Equipm	ent Used		
	_					NUCT O
Calibrator		ription		odel No.	Instrument ID	NIST Cert. No.
Input Device	Fluke Calib		725		On File	On File
Output Device	Fluke Calib	rator	725		On File	On File
	In . W . n .		Approvals		In 1 0: -:	
Hours 1.0	Date Work Perfo		Accepted By		Date Signed	
PASS 3 Signature	11/24	/2008	Customer Signa	ture		
JOHN HO	ORTON		- Lotto Hor Olgila			
0 -0 -0 1 0 - 1						







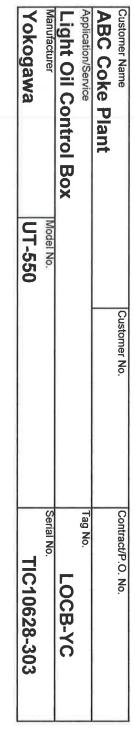


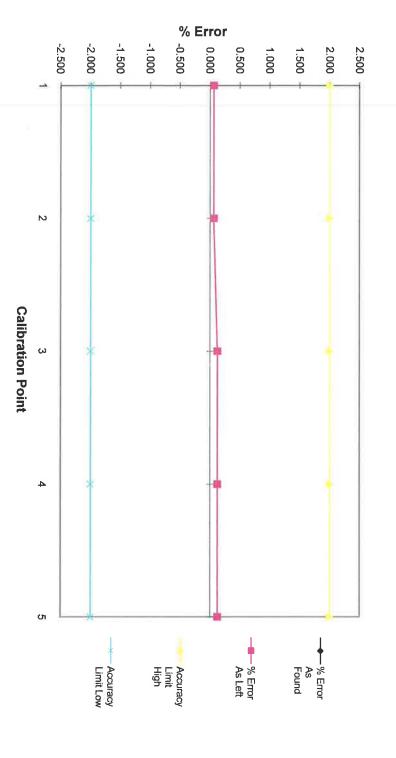
### **Calibration**

Customer Name					Contract/P.O. No.	
ABC Coke	Plant					
Application/Service	)				Tag No.	
Light Oil Cor	ntrol Box				LOCB-YC	
Manufactuer		Model No.			Serial No.	
Yokogawa		UT-550			TIC10628-3	03
Instrument		Х				
Туре	Transmitter	Indicator	Controller	Recorder	Gauge	Thermometer
		Plus	Minus	☑ % of Span		
Accuracy		2.0	2.0	☐% of Reading	)	
		Input Siar	nal Range	and Units		
Lo Range Value	Hi Range Value		idi i tairig s	Characteristic	Special	
4	20		DC	Linear		
				and Units		
Lo Range Value	Hi Range Value			Characteristic	Special	
-2	14	INF	120	Linear		
	1	nstrument	Condition	n as Found		
			Actual			
Calibration		Expected	Output as	% Error As	Actual Output	
Point	Actual Input	Output	Found	Found	as Left	% Error As Left
0%	4	-2	-1.99	0.063	-1.99	0.063
25%	8	2	2.01	0.062	2.01	0.062
50%	12	6	6.02	0.125	6.02	0.125
75%	16	10	10.02	0.125	10.02	0.125
100%	20	14	14.02	0.125	14.02	0.125
			Comment	S		
		Calibratio	on Equipm	ent Used		
		Janvian	Landaibii	.5.11 5054		
Calibrator	Desc	ription	Mo	odel No.	Instrument ID	NIST Cert. No.
Input Device	Fluke Calib	rator	725		On File	On File
Output Device	Local Disp	lav				
	·	<u> </u>	Approvals	 S		
Hours	Date Work Perfo	ormed	Accepted By		Date Signed	
1.0	11/24	/2008				
PASS 3 Signature			Customer Signa	iture		
JOHN HO	ORTON					





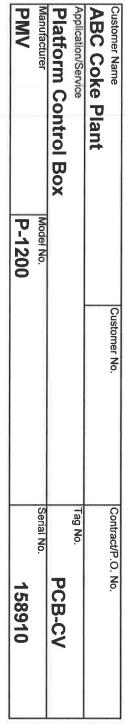


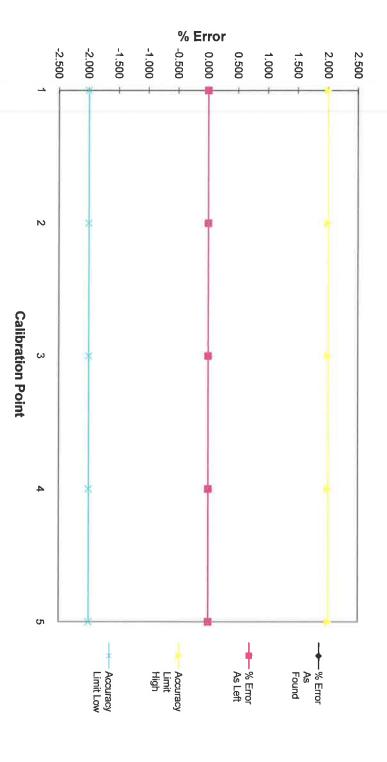




ABC Coke	Plant				Contracti .O. No.	
Application/Service					Tag No.	
Platform Cor					PCB-CV	
Manufactuer		Model No.			Serial No.	
PMV		P-1200			158910	
Instrument	Х					
Туре	Transmitter	Indicator	Controller	Recorder	Gauge	Thermometer
		Plus	Minus	☑ % of Span		
Accuracy		2.0	2.0	☐ % of Reading	9	
			nal Range	and Units		
Lo Range Value	Hi Range Value	l		Characteristic	Special	
4	20		DC	Linear		
			nal Range	e and Units		
Lo Range Value	Hi Range Value			Characteristic	Special	
0	100		cent	Linear	L	
		nstrument	Actual	n as Found	r	
Calibration		Expected	Output as	% Error As	Actual Output	
Point	Actual Input	Output	Found	Found	as Left	% Error As Left
0%	4.00	0.00				
25%	8.00	25.00				
50%	12.00	50.00				
75%	16.00	75.00				
100%	20.00	100.00				
			Comments	S		
Note: contro	l valve is sp	an 0 to 20 <sub>l</sub>	percent			
		Calibration	n Equipm	ent Used		
	_					
Calibrator		ription		odel No.	Instrument ID	NIST Cert. No.
Input Device	Fluke Calib	orator	725	700PD5	ON FILE	ON FILE
Output Device	ILOCAL		Ļ			
Hours	Date Work Perfo		Approvals  Accepted By	<u> </u>	Date Signed	
Hours 1.0		/2008	Accepted By		Date Signed	
PASS 3 Signature	11/24	72000	Customer Signa	ture		
JOHN HO	ORTON					



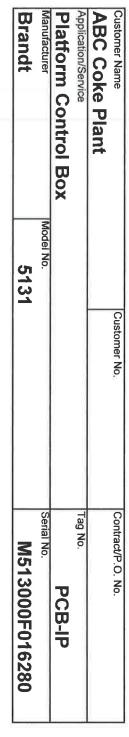


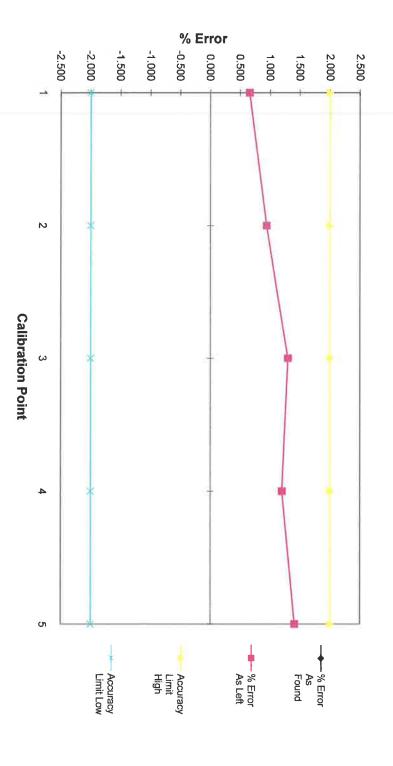




Customer Name					Contract/P.O. No.	
ABC Coke						
Application/Service					Tag No.	
Platform Cor	utrol Box	Model No.			PCB-IP Serial No.	
Brandt		5131			M513000F0	16280
Instrument	x	3131			1010 100001 0	10200
	Transmitter	Indicator	Controller	Recorder	Gauge	Thermometer
Туре	Transmitter	Plus	Minus	✓ % of Span	Gauge	Memonietei
Accuracy		2.0	2.0	☐ % of Reading	3	
rtocaracy				and Units		
Lo Range Value		Units	idi i tarigo	Characteristic	Special	
4	20	MA	DC	Linear		
		Output Sig	nal Range	and Units		
Lo Range Value	Hi Range Value			Characteristic	Special	
3	15	PS	SIG	Linear		
		nstrument	Condition	n as Found		
0 111 11		E	Actual	0/ 5 4	A -41 O -44	
Calibration Point	Actual Input	Expected Output	Output as Found	% Error As Found	Actual Output as Left	% Error As Left
0%	4.00	3.00	3.079	0.658	3.079	0.658
25%	8.00	6.00	6.113	0.942	6.113	0.942
50%	12.00	9.00	9.156	1.300	9.156	1.300
75%	16.00	12.00	12.144	1.200	12.144	1.200
100%	20.00	15.00	15.169	1.408	15.169	1.408
,		(	Comments	5		
		Calibration	n Equipm	ent Used		
	_					NIOT O
Calibrator		ription		odel No.	Instrument ID	NIST Cert. No.
	Fluke Calib		725	700PD5	ON FILE	ON FILE
Output Device	Fluke Calib	rator	725		ON FILE	ON FILE
			Approvals	<u> </u>		
Hours 1 O	Date Work Perfo		Accepted By		Date Signed	
1.0 PASS 3 Signature	11/24	/2008	Customer Signa	ture		
JOHN HO	ORTON			-		
5 55 5 7 5 2 6	- 40-001					



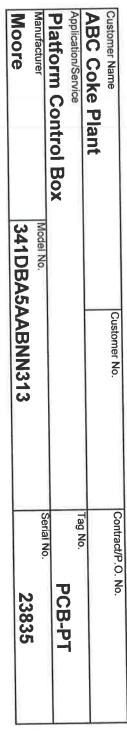


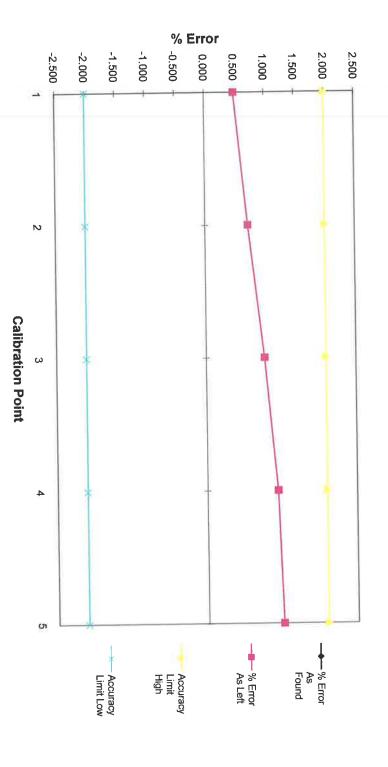




Customer Name					Contract/P.O. No.	
ABC Coke	Plant					
Application/Service					Tag No.	
Platform Cor	ntrol Box				PCB-PT	
Manufactuer		Model No.			Serial No.	
Moore		341DBA5A	ABNN313		23835	
Instrument	Х					
Туре	Transmitter	Indicator	Controller	Recorder	Gauge	Thermometer
		Plus	Minus	☑ % of Span		
Accuracy		2.0	2.0	☐ % of Reading	3	
		Input Sigr	nal Range	and Units		
Lo Range Value	Hi Range Value			Characteristic	Special	
-2	14	INF	120	Linear		
		Output Sig	nal Range	and Units		
Lo Range Value	Hi Range Value	Units		Characteristic	Special	
4	20	MA	DC	Linear		
	I	nstrument	Condition	n as Found		
			Actual			
Calibration	A street to be set	Expected	Output as Found	% Error As Found	Actual Output as Left	% Error As Left
Point	Actual Input	Output				
0%	-2.00	4.00	4.079	0.494	4.079	0.494
25%	2.00	8.00	8.115	0.719	8.115	0.719
50%	6.00	12.00	12.156	0.975	12.156	0.975
75%	10.00	16.00	16.189	1.181	16.189	1.181
100%	14.00	20.00	20.201	1.256	20.201	1.256
			Comments	S		
		Calibration	on Equipm	ent Used		
Calibrator	Desc	ription	Mo	odel No.	Instrument ID	NIST Cert. No.
Input Device	Fluke Calib	orator	725	700PD5	ON FILE	ON FILE
Output Device	Fluke Calib	orator	725		ON FILE	ON FILE
	A111.		Approvals	3		
Hours	Date Work Perfo	ormed	Accepted By		Date Signed	
1.0	11/24	/2008				
PASS 3 Signature	nedos:		Customer Signa	ture		
JOHN HO	)KION					



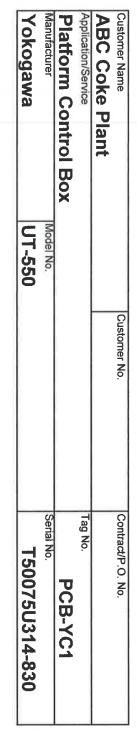


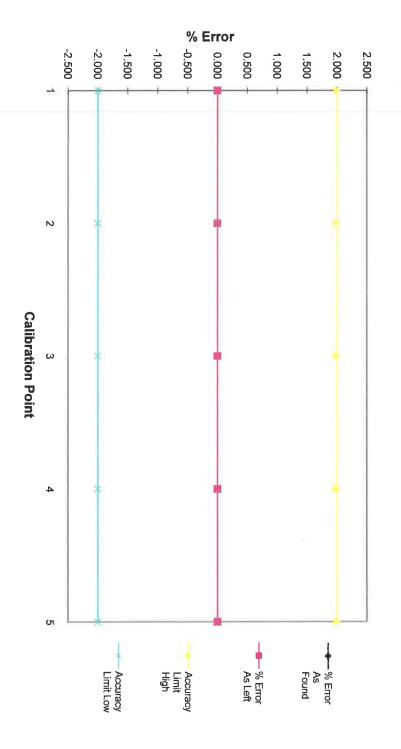




Customer Name					Contraction No.	
ABC Coke					T. N.	
Application/Service					Tag No.	
Platform Cor	ntroi Box	Model No.			PCB-YC1	
Yokogawa		UT-550			T50075U31	4-830
Instrument		Х				
Туре	Transmitter	Indicator	Controller	Recorder	Gauge	Thermometer
		Plus	Minus	☑ % of Span		
Accuracy		2.0	2.0	☐% of Reading	9	
		Input Sigr	nal Range	and Units		
Lo Range Value	Hi Range Value			Characteristic	Special	
4	20	MA	\DC	Linear		
			nal Range	e and Units		
Lo Range Value	Hi Range Value	Units		Characteristic	Special	
-2	14	INF	120	Linear		
		nstrument		n as Found		
Calibration		Evented	Actual	0/ 5	Actual Output	
Calibration Point	Actual Input	Expected Output	Output as Found	% Error As Found	as Left	% Error As Left
0%	4.00	-2.00	-2.000	0.000	-2.000	0.000
25%	8.00	2.00	2.000	0.000	2.000	0.000
50%	12.00	6.00	6.000	0.000	6.000	0.000
75%	16.00	10.00	10.000	0.000	10.000	0.000
100%	20.00	14.00	14.000	0.000	14.000	0.000
		(	Comments	S		
		Calibratio	n Equipm	ent Used		
0-1:1- 1	5	.:_ A:	p. 4	-I-I NI-	In admirer and ID	NICT Cont. No.
Calibrator		ription		odel No.	Instrument ID	NIST Cert. No.
<del></del>	Fluke Calib		725		8218055	1000195484
Output Device	Local Displ					
			Approvals	<u> </u>	1=	
Hours	Date Work Perfo		Accepted By		Date Signed	
1.0 PASS 3 Signature	11/24	/2008	Customer Signa	ture		
JOHN HO	ORTON		- asismor orgina	7045 ·		
JUJIJY JIC	71(20)1					





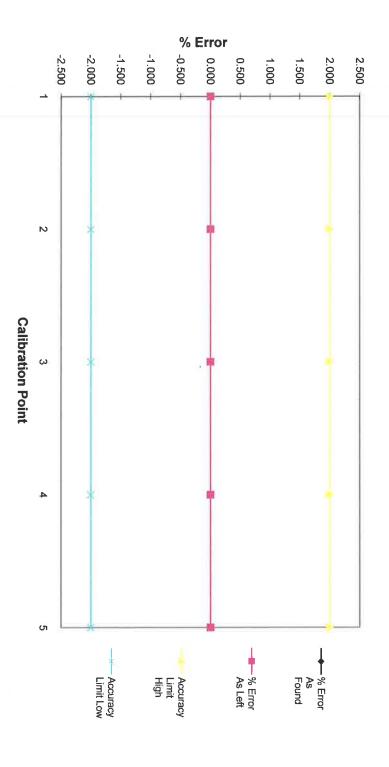




Customer Name					Contract/P.O. No.	
ABC Coke	Plant					
Application/Service	9				Tag No.	
Platform Co	ntrol Box				PCB-YC2	
Manufactuer		Model No.			Serial No.	
Yokogawa		UT-550			N/A	
Instrument		X				
Туре	Transmitter	Indicator	Controller	Recorder	Gauge	Thermometer
		Plus	Minus	☑ % of Span		
Accuracy		2.0	2.0	☐% of Reading	9	
		Input Sigr	nal Range	and Units		
Lo Range Value		Units		Characteristic	Special	
1	5	VI	OC	Linear		
		Output Sig	nal Range	and Units		-
Lo Range Value	Hi Range Value			Characteristic	Special	
-2	14	INF	120	Linear		
		nstrument	Condition	n as Found		
			Actual			
Calibration	A =4=1 l==4	Expected	Output as	% Error As	Actual Output	0/ 5 4-1-5
Point	Actual Input	Output	Found	Found	as Left	% Error As Left
0%	1.00	-2.00	-2.000	0.000	-2.000	0.000
25%	2.00	2.00	2.000	0.000	2.000	0.000
50%	3.00	6.00	6.000	0.000	6.000	0.000
75%	4.00	10.00	10.000	0.000	10.000	0.000
100%	5.00	14.00	14.000	0.000	14.000	0.000
		(	Comments	5		
		Calibration	n Equipm	ent Used		
Calibrator	Descr	ription	Mo	odel No.	Instrument ID	NIST Cert. No.
Input Device	Fluke Calib	rator	725		ON FILE	ON FILE
Output Device	Local Displ	ay				
			Approvals	i		
Hours	Date Work Perfo		Accepted By		Date Signed	
1.0	11/24	/2008				
PASS 3 Signature			Customer Signat	ture		
JOHNHO	KION					



Customer Name	Customer No.	Contract/P.O. No.
ABC Coke Plant		
Application/Service		Tag No.
Platform Control Box		PCB-YC2
Manufacturer Model No.		Serial No.
Yokogawa UT-550		N/A

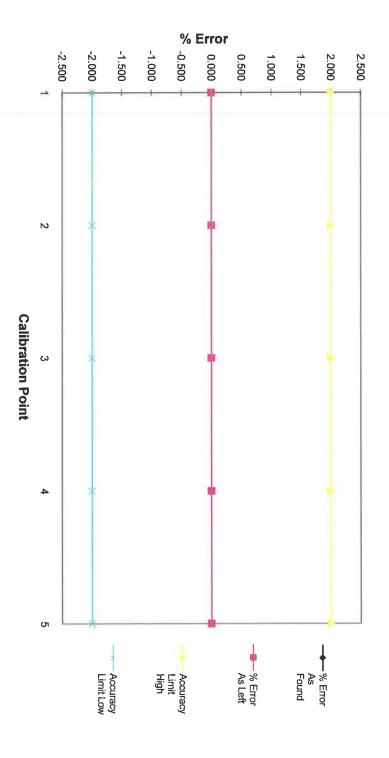




Customer Name	<b>D</b> 1 .				Contracti F.O. No.	
ABC Coke					Tag No.	
Process Wa		\r			PWD-CV	
Manufactuer	iter Decante	Model No.			Serial No.	
Fisher		1052			15363423	
Instrument			Х			
Туре	Transmitter	Indicator	Controller	Recorder	Gauge	Thermometer
		Plus	Minus	☑ % of Span		
Accuracy		2.0	2.0	☐ % of Reading		
		Input Sigr	nal Range	and Units		
Lo Range Value	Hi Range Value	Units		Characteristic	Special	
4	20	MA	DC	Linear		
			nal Range	and Units		
Lo Range Value	Hi Range Value	l		Characteristic	Special	
0	100		cent	Linear		
		nstrument		n as Found	r	
Calibration		Expected	Actual Output as	% Error As	Actual Output	
Point	Actual Input	,	Found	Found	as Left	% Error As Left
0%	4.00	0.00	0	0.000	0	0.000
25%	8.00	25.00	25	0.000	25	0.000
50%	12.00	50.00	50	0.000	50	0.000
75%	16.00	75.00	75	0.000	75	0.000
100%	20.00	100.00	100	0.000	100	0.000
		(	Comment	S		
		Calibration	n Equipm	ent Used		
Calibrator	Dogg	rintion	N/A	odel No.	Instrument ID	NIST Cert. No.
		ription		del No.		
Input Device	Fluke Calib		725		8218055	1000195484
Output Device	Local Disp					
Hours	Date Work Perfo		Approvals  Accepted By	3	Date Signed	
1.0		/2008	r tocepted by		Date Oigned	
PASS 3 Signature		72000	Customer Signa	ture		
JOHN HO	ORTON					



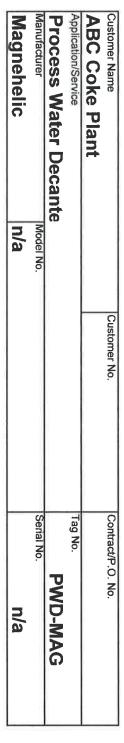
Customer Name	Customer No.	Contract/P.O. No.
ABC Coke Plant		
Application/Service		Tag No.
<b>Process Water Decante</b>		PWD-CV
Manufacturer Mod	Model No.	Senal No.
Fisher	1052	15363423

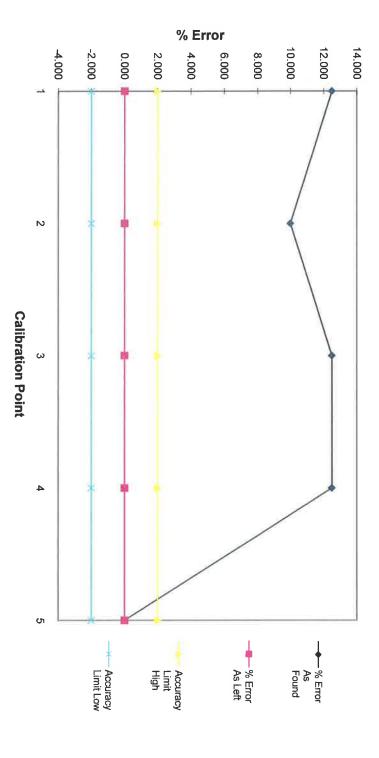




Customer Name					Contract/P.O. No.	
ABC Coke	Plant					
Application/Service			L		Tag No.	
Process Wat	ter Decante				PWD-MAG	
Manufactuer Model No.					Serial No.	
Magnehelic		n/a			n/a	
Instrument			X			
Туре	Transmitter	Indicator	Controller	Recorder	Gauge	Thermometer
Plus			Minus	☑ % of Span		
Accuracy 2.0			2.0	☐ % of Reading	3	
Input Signal Range and Units						
Lo Range Value	Hi Range Value	Units		Characteristic	Special	
10	50	INF	120	Linear		
		<b>Dutput Sig</b>	nal Range	e and Units		
Lo Range Value	Hi Range Value	Units		Characteristic	Special	
10	50	INF	120	Linear		
		nstrument	Condition	n as Found		
			Actual			
Calibration	A atual la aut	Expected	Output as Found	% Error As Found	Actual Output as Left	% Error As Left
Point	Actual Input	Output				
0%	10	10	15	12.500	10	0.000
25%	20	20	24	10.000	20	0.000
50%	30	30	35	12.500	30	0.000
75%	40	40	45	12.500	40	0.000
100%	50	50	50	0.000	50	0.000
			Comment	S		
-						
		Calibratio	on Equipm	nent Used		
Calibrator	Desc	ription	Mo	odel No.	Instrument ID	NIST Cert. No.
Input Device	Fluke Calib	orator	725		8218055	1000195484
Output Device	Local Disp	lay				
			Approvals	3		
Hours	Date Work Perfo	ormed	Accepted By		Date Signed	
1.0	11/24	/2008				
PASS 3 Signature			Customer Signa	iture		
JOHN HO	KTON					



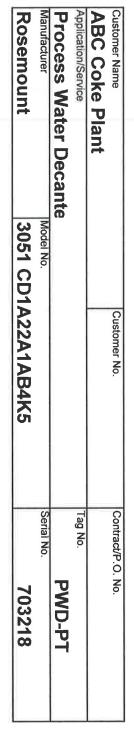


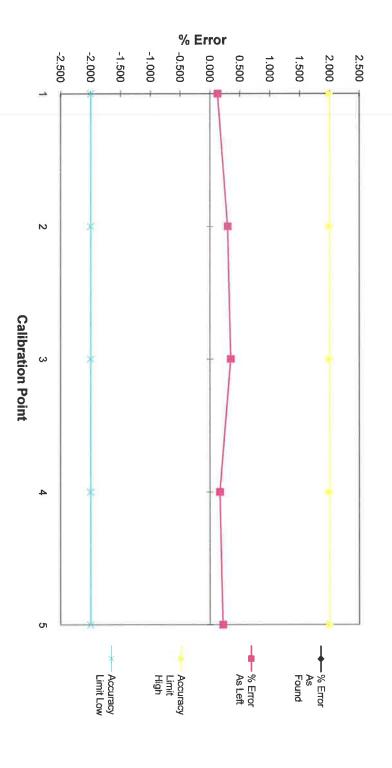




Customer Name					Contract/P.O. No.	
ABC Coke Plant			4			
Application/Service	•				Tag No.	
Process Wa	ter Decante	r			PWD-PT	
Manufactuer		Model No.			Serial No.	
Rosemount		3051 CD1/	122A1AB4k	(5	703218	
Instrument			X			
Туре	Transmitter	Indicator	Controller	Recorder	Gauge	Thermometer
		Plus	Minus	☑ % of Span		
Accuracy		2.0	2.0	☐ % of Reading	]	
		Input Sigr	al Range	and Units		
Lo Range Value	Hi Range Value			Characteristic	Special	
-2	14	INF	120	Linear		
Output Signal Range and Units						
Lo Range Value	Hi Range Value	Units		Characteristic	Special	
4	20	MA	.DC	Linear		
		nstrument	Condition	n as Found		
			Actual			
Calibration		Expected	Output as	% Error As	Actual Output	
Point	Actual Input	Output	Found	Found	as Left	% Error As Left
0%	-2	4	4.021	0.131	4.021	0.131
25%	2	8	8.048	0.300	8.048	0.300
50%	6	12	12.056	0.350	12.056	0.350
75%	10	16	16.027	0.169	16.027	0.169
100%	14	20	20.035	0.219	20.035	0.219
		(	Comments	6		
		Calibratio	n Equipm	ent Used		
Calibrator	Descr	iption	Mo	del No.	Instrument ID	NIST Cert. No.
Input Device	Fluke Calib	rator	725		on file	on file
Output Device	Local Displ	ay				
			Approvals			
Hours	Date Work Perfo		Accepted By		Date Signed	
1.0	11/24	/2008	<u> </u>		L	
PASS 3 Signature	and out		Customer Signat	ture		
JOHN HO	AKA TON					





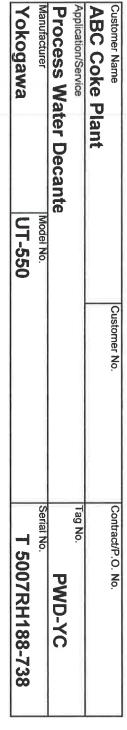


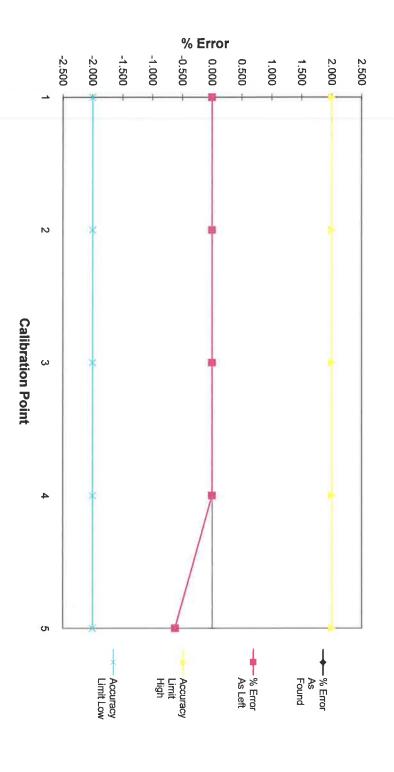


ABC Coke	Plant				Contracti .O. 140.	
Application/Service					Tag No.	
Process Wa	ter Decante				PWD-YC	
Manufactuer		Model No.			Serial No.	
Yokogawa		UT-550			T 5007RH18	38-738
Instrument			X			
Туре	Transmitter	Indicator	Controller	Recorder	Gauge	Thermometer
		Plus	Minus	☑ % of Span		
Accuracy		2.0	2.0	☐% of Reading	3	
		Input Sigr	nal Range	and Units		
Lo Range Value	Hi Range Value	Units		Characteristic	Special	
4	20	MA	DC	Linear		
			nal Range	e and Units		
Lo Range Value	Hi Range Value			Characteristic	Special	
-2	14		120	Linear		
	1	nstrument		n as Found		9
Calibration		Europted	Actual	% Error As	A atrial Critarit	
Point	Actual Input	Expected Output	Output as Found	% Error As Found	Actual Output as Left	% Error As Left
0%	4	-2	-2.0	0.000	-2.0	0.000
25%	8	2	2.0	0.000	2.0	0.000
50%	12	6	6.0	0.000	6.0	0.000
75%	16	10	10.0	0.000	10.0	0.000
100%	20	14	13.9	-0.625	13.9	-0.625
10070	20		Comments		15.9	-0.025
		Calibratio	n Equipm	ent Used		
Calibrator	Desci	ription	Mo	odel No.	Instrument ID	NIST Cert. No.
Input Device	Fluke Calib	rator	725		8218055	1000195484
Output Device	Local Displ	ay				
			Approvals	•		
Hours	Date Work Perfo	rmed	Accepted By		Date Signed	
1.0	11/24	/2008	0			
PASS 3 Signature	OMTOAL		Customer Signa	ture		
JOHN HO	NGO TOK					





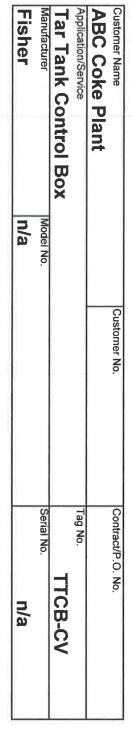


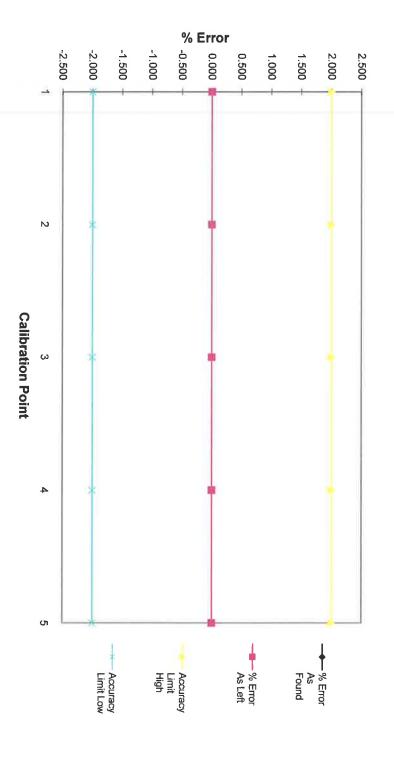




Customer Name	D1 (				Contractif.C. No.	
ABC Coke Application/Service					Tag No.	
Tar Tank Control Box					TTCB-CV	
Manufactuer	TILLOL DOX	Model No.		Serial No.		
Fisher		n/a			n/a	
Instrument			х			
Туре	Transmitter	Indicator	Controller	Recorder	Gauge	Thermometer
		Plus	Minus	☑ % of Span		
Accuracy		2.0	2.0	☐% of Reading	9	
Input Signal Range and Units						
Lo Range Value	Hi Range Value			Characteristic	Special	
4	20	MA	DC	Linear	Control Valv	е
		<b>Dutput Sig</b>	nal Range	e and Units		
Lo Range Value	Hi Range Value			Characteristic	Special	
0	100		cent	Linear		
	1	nstrument		n as Found		
0-194		C. mastad	Actual	% Error As	Actual Output	
Calibration Point	Actual Input	Expected Output	Output as Found	Found	Actual Output as Left	% Error As Left
0%	4	0	0	0.000	0	0.000
25%	8	25	25	0.000	25	0.000
50%	12	50	50	0.000	50	0.000
75%	16	75	75	0.000	75	0.000
100%	20	100	100	0.000	100	0.000
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			Comments		1	
		Calibration	on Equipm	nent Used		
				- del Nie	In atmus = = 1 ID	NIST Cert. No.
Calibrator		ription		odel No.	Instrument ID	
Input Device	Fluke Calib		725		On File	On File
Output Device	Local Disp	lay				
Haves	IData Wark Darf	armad	Approvals Accepted By	8	Date Signed	
Hours 1.0	Date Work Perfo	72008	Accepted by		Date Signed	
PASS 3 Signature		12000	Customer Signa	ature	J	
JOHN HO						
J - J - J 1 J L 1						







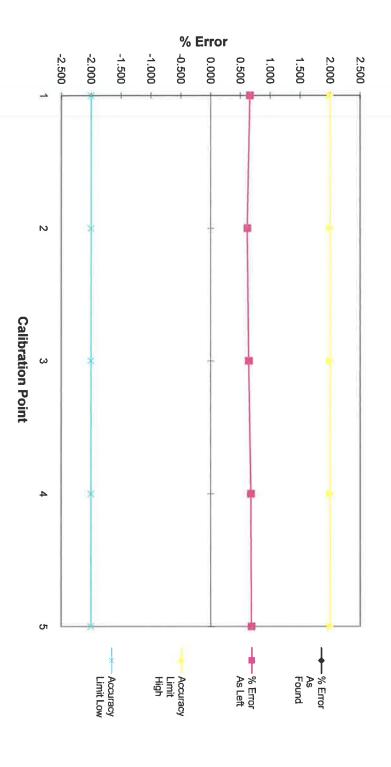


Customer Name	_				Contract/P.O. No.		
ABC Coke	Plant						
Application/Service					Tag No.		
Tar Tank Cor		Model No.			TTCB-IP Serial No.		
Brandt	M-00269			M513000F-16278			
		3103131			101010001 -	10270	
instrument	Х						
Туре	Transmitter	Indicator	Controller	Recorder	Gauge	Thermometer	
		Plus	Minus	☑ % of Span			
Accuracy		2.0	2.0	☐ % of Reading			
		Input Sigr	nal Range	and Units			
Lo Range Value	Hi Range Value	Units		Characteristic	Special		
4	20	MA	DC .	Linear			
			nal Range	e and Units			
Lo Range Value   F	li Range Value	Units		Characteristic	Special		
3	15	PS	SIG	Linear			
Instrument Condition as Found							
			Actual				
Calibration	A advial lawyid	Expected	Output as Found	% Error As	Actual Output as Left	% Error As Left	
<del></del>	Actual Input	Output		Found			
0%	4	3	3.079	0.658	3.079	0.658	
25%	8	6	6.074	0.617	6.074	0.617	
50%	12	9	9.077	0.642	9.077	0.642	
75%	16	12	12.081	0.675	12.081	0.675	
100%	20	15	15.082	0.683	15.082	0.683	
		(	Comments	S			
		Calibratio	n Equipm	ent Used			
Calibrator	Descr	ription	Mo	odel No.	Instrument ID	NIST Cert. No.	
<del></del>	Fluke Calib		725		On File	On File	
Output Device F			725		On File	On File	
Output Device	Tuke Callu				On File	Office	
Hours D	Date Work Perfo		Approvals  Accepted By		Date Signed		
1.0		/2008					
PASS 3 Signature	11/4		Customer Signa	ture			
ЈОНМ НО	RION						





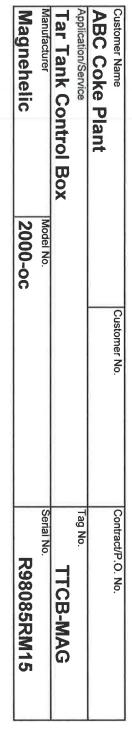
M513000F-16278	STD5131	Brandt
Serial No.	Model No.	Manufacturer
TTCB-IP		<b>Tar Tank Control Box</b>
Tag No.		Application/Service
		ABC Coke Plant
Contract/P.O. No.	Customer No.	Customer Name

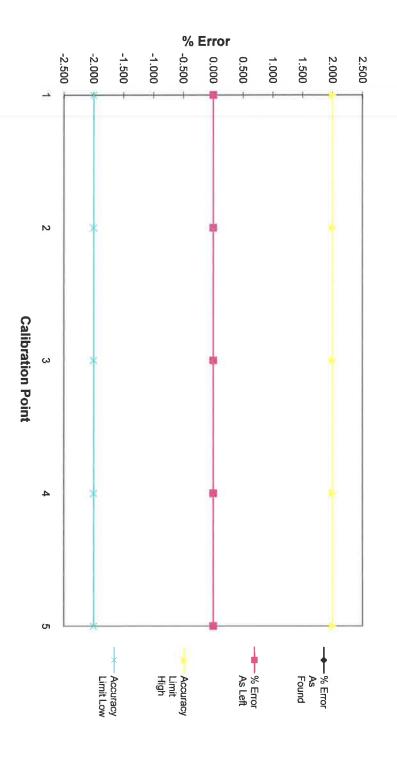




Customer Name					Contract/P.O. No.			
ABC Coke	Plant							
Application/Service					Tag No.			
Tar Tank Co	ntrol Box				TTCB-MAG			
Manufactuer		Model No.			Serial No.			
Magnehelic		2000-oc			R98085RM1	5		
Instrument	Х							
Туре	Transmitter	Indicator	Controller	Recorder	Gauge	Thermometer		
		Plus	Minus	☑ % of Span				
Accuracy 2.0			2.0	☐% of Reading	3			
Input Signal Range and Units								
Lo Range Value	Hi Range Value			Characteristic	Special			
0.10	0.50	PS	SIG	Linear				
	Output Signal Range and Units							
Lo Range Value	Hi Range Value	Units		Characteristic	Special			
0.10	0.50	PS	SIG	Linear				
Instrument Condition as Found								
			Actual					
Calibration	0.0401.1	Expected	Output as	% Error As	Actual Output	0/ E A- 1 of		
Point	Actual Input	Output	Found	Found	as Left	% Error As Left		
0%	0.10	0.10	0.10	0.000	0.10	0.000		
25%	0.20	0.20	0.20	0.000	0.20	0.000		
50%	0.30	0.30	0.30	0.000	0.30	0.000		
75%	0.40	0.40	0.40	0.000	0.40	0.000		
100%	0.50	0.50	0.50	0.000	0.50	0.000		
			Comments	8				
		Calibratic	n Equipm	ent I Ised				
		Odiibiatio	Tr Equipm	icht oodd				
Calibrator	Desci	ription	Mo	odel No.	Instrument ID	NIST Cert. No.		
Input Device	Fluke Calib	rator	725		On File	On File		
Output Device	Local							
			Approvals	<b>.</b>				
Hours	Date Work Perfo		Accepted By		Date Signed			
1.0	11/24	/2008						
PASS 3 Signature			Customer Signa	ture				
JOHN HC	JOHN HORTON							



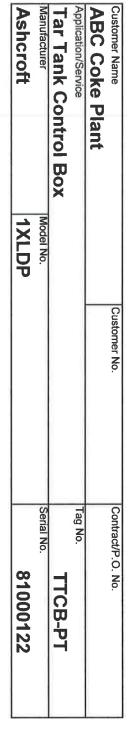


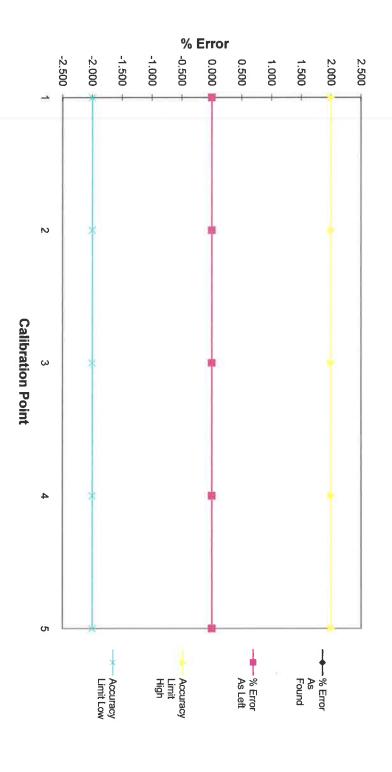




Customer Name					Contract/P.O. No.			
ABC Coke Plant								
Application/Service			L		Tag No.			
Tar Tank Co	ntrol Box				TTCB-PT			
Manufactuer Model No.					Serial No.			
Ashcroft		1XLDP			81000122			
Instrument	Х							
Туре	Transmitter	Indicator	Controller	Recorder	Gauge	Thermometer		
Plus			Minus	☑ % of Span				
Accuracy 2.0		2.0	2.0	☐% of Reading	]			
•		Input Siar	nal Range	and Units				
Lo Range Value	Hi Range Value			Characteristic	Special			
-2	14	INF	120	Linear				
	Output Signal Range and Units							
Lo Range Value	Hi Range Value	Units		Characteristic	Special			
-2	14	INI	120	Linear				
Instrument Condition as Found								
			Actual					
Calibration		Expected	Output as	% Error As	Actual Output	0/ =		
Point	Actual Input	Output	Found	Found	as Left	% Error As Left		
0%	-2	-2						
25%	2	2						
50%	6	6						
75%	10	10						
100%	14	14				_		
			Comment	S				
Will not calib	rate told Cl	narlie needs	to be repla	aced				
Reading 4 "	high							
		Calibratio	n Equipm	ent Used				
Calibrator	Desc	ription	Mo	odel No.	Instrument ID	NIST Cert. No.		
Input Device	Fluke Calib	orator	725		On File	On File		
Output Device	Fluke Calib	orator	725		On File	On File		
			Approvals	<u> </u>				
Hours	Date Work Perfo		Accepted By		Date Signed			
1.0	11/24	/2008						
PASS 3 Signature			Customer Signa	ture				
JOHN HO	KION							



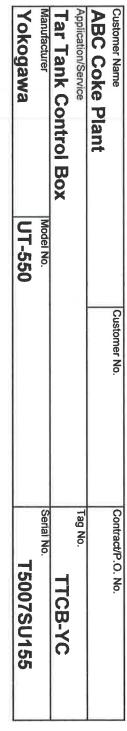


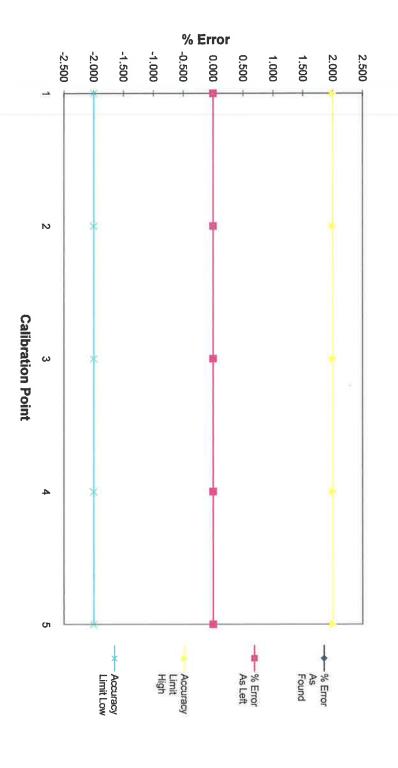




Customer Name					Contract/P.O. No.	
ABC Coke	Plant					
Application/Service					Tag No.	
Tar Tank Co	ntrol Box				TTCB-YC	
Manufactuer		Model No.			Serial No.	
Yokogawa		UT-550			T5007SU155	
Instrument	Х					
Туре	Transmitter	Indicator	Controller	Recorder	Gauge	Thermometer
		Plus	Minus	☑ % of Span		
Accuracy		2.0	2.0	☐% of Reading	3	
		Input Sigr	nal Range	and Units		
Lo Range Value	Hi Range Value			Characteristic	Special	
4	20	MA	DC	Linear		
			nal Range	and Units		
Lo Range Value	Hi Range Value	Units		Characteristic	Special	
-2	14	INF	120	Linear		
		nstrument		n as Found		,
			Actual			
Calibration Point	A atual labut	Expected	Output as Found	% Error As Found	Actual Output	% Error As Left
	Actual Input	Output			as Left	
0%	4	-2	-2.0	0.000	-2.0	0.000
25%	8	2	2.0	0.000	2.0	0.000
50%	12	6	6.0	0.000	6.0	0.000
75%	16	10	10.0	0.000	10.0	0.000
100%	20	14	14.0	0.000	14.0	0.000
		(	Comments	3		
		Calibration	n Equipm	ent Used		
Calibrator	Descr	ription	Mo	odel No.	Instrument ID	NIST Cert. No.
Input Device	Fluke Calib	rator	725		On File	On File
Output Device	Local Displ	ay				
			Approvals			
Hours	Date Work Perfo	rmed	Accepted By		Date Signed	
1.0	11/24	/2008				
PASS 3 Signature			Customer Signat	ture		
JOHNHO	MION					









Customer Name					Contract/P.O. No.		
ABC Coke							
Application/Service					Tag No.		
Wash Oil Co	ontrol Box	Model No.			WOCB-CV Serial No.		
					15363423		
Fisher		1032	Х		10003423		
Instrument			^				
Туре	Transmitter	Indicator	Controller	Recorder	Gauge	Thermometer	
		Plus	Minus	☑ % of Span			
Accuracy		2.0	2.0	☐ % of Reading	9		
		Input Sigr	nal Range	and Units			
Lo Range Value	Hi Range Value			Characteristic	Special		
4	20	MA	DC	Linear			
		<b>Dutput Sig</b>	nal Range	and Units			
Lo Range Value	Hi Range Value	Units		Characteristic	Special		
0	100	Per	cent	Linear			
Instrument Condition as Found							
		_	Actual				
Calibration Point	Actual Input	Expected Output	Output as Found	% Error As Found	Actual Output as Left	% Error As Left	
0%	4.00	0.00	0	0.000	0	0.000	
25%	8.00	25.00	25	0.000	25	0.000	
50%	12.00	50.00	50	0.000	50	0.000	
75%	16.00	75.00	75	0.000	75	0.000	
100%	20.00	100.00	100	0.000	100	0.000	
		(	Comment	5			
		Calibratio	n Equipm	ent Used			
Calibrator	Desci	ription	Model No.		Instrument ID	NIST Cert. No.	
	Fluke Calib	·	725	7431113,	8218055	1000195484	
			125		6216055	1000195464	
Output Device	Local Displ						
Llaura I	Data Waste Dasfa		Approvals		Data Pinnad		
Hours 1.0	Date Work Perfo	/2008	Accepted By		Date Signed		
PASS 3 Signature	11/24	12000	Customer Signa	ture	l		
JOHN HO	ORTON						
JOJEJIJE	72(2001		i e				